This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) An apparatus for generating outputted moving picture data ~~producing apparatus to which~~ derived from inputted~~non compression~~ uncompressed moving picture data ~~is input~~, said apparatus comprising:

compression means including quantization means for generating compressed moving picture data from said uncompressed moving picture data; and

rate correction data producing means for producing rate correction data to be added to said compressed moving picture data to generate said outputted moving picture data which is used by another apparatus to change the bit rate of said compressed moving picture data ~~at a time of bit rate change, whereby moving picture data having the rate correction data other than normal moving picture stream is produced~~.

2. (currently amended) The ~~A moving picture data producing~~ apparatus according to Claim 1, wherein said rate correction data producing means creates rate correction data which enables rate changing by said another apparatus by conducting a ~~conducts~~ quantization for an area having high bit rate in motion picture frames, while using quantization value which is different from a value used when producing the compressed ~~said quantization means on an area in which the bit generation amount in each frame of the~~ moving picture data ~~is large, and the rate correction data by which the rate change is possible, is produced~~.

3. (currently amended) The ~~A moving picture data producing~~ apparatus according to Claim 1, wherein said rate correction data producing means creates rate correction data which enable bit rate changing by said another apparatus by conducting a different quantization for the area[[,]] in a P frame of the compressed moving picture data having a low probability of being referred to in a motion prediction operation.~~, conducts the quantization different from the quantization means on an area in which the provability referred at the time of the motion estimation time is low, and the rate correction data in which the rate change is possible, is produced~~.

4. (currently amended) The ~~A moving picture data producing~~ apparatus according to any one of Claims 1 to 3, wherein said compression means further includes:~~further comprising:~~

means for recording reference inhibition area information ~~which shows~~ about an area not to be referred to for motion compensation, wherein the area information is included in ~~having~~ the rate correction data ~~in~~ for each frame of the moving picture data; and

motion compensation means for conducting motion compensation without referring to the~~, wherein, when motion estimation in the next frame is performed, an~~ area not to be referred to in conducting motion prediction for a next frame ~~shown by the reference inhibition area information shows is inhibited from referring~~.

5. (currently amended) The ~~A moving picture data producing~~ apparatus according to Claim 1, wherein said compression means includes ~~further comprising:~~ motion

compensation means for conducting motion compensation and outputting ~~the~~ referenced area information referred to at ~~the~~ a time of ~~the~~ motion estimation; ~~and~~ wherein

said rate correction data producing means uses the referenced area information creates ~~and selects the area~~ rate correction data which enables rate changing by said another apparatus by conducting a quantization for an area a low probability of being referred to in conducting motion prediction for the next frame, while using quantization value which is different from a value used when producing the compressed moving picture data ~~in which the referenced degree is low in the frame, so that the rate correction data by which the rate change is possible with respect to the selected area is produced~~.

6. (currently amended) The ~~A moving picture data producing~~ apparatus according to Claim 1, wherein said rate correction data producing means deletes high frequency components from input uncompressed ~~an original image~~ moving picture data in advance, and then ~~conducts the same~~ produces said rate correction data which enables rate changing by said another apparatus by conducting a quantization using a ~~as said~~ quantization value equivalent to a value used when producing the compressed moving picture data ~~means, and produces the rate correction data by which the rate change is possible~~.

7. (currently amended) The ~~A moving picture data producing~~ apparatus according to Claim 1, wherein said rate correction data producing means ~~decides~~ determines position information identifying a position at which rear portions of bits in packets of said compressed motion picture data can be deleted[[,]] with respect to an area structured by a continuous arbitrary number of macro-blocks ~~(for example, 16 x 16 pixels) ,~~ and produces the rate correction data ~~in which~~

including the position information ~~is recorded, by which the rate change is possible~~.

8. (currently amended) The ~~A moving picture data producing~~ apparatus according to Claim 1, wherein said rate correction data producing means produces rate correction data which enables the bit rate changing by said another apparatus by creating an I-frame as well as P-frame with respect to the motion picture frames generated as P-frame by said compression means. ~~an I frame which is a coding image inside the frame, and produces the rate correction data by which the rate change is possible.~~

9. (currently amended) A moving picture data producing apparatus to which ~~non compression~~ uncompressed moving picture data is input, comprising:

compression means including quantization means for generating compressed moving picture data from said uncompressed moving picture data; and

rate correction data producing means for producing ~~the~~ rate correction data to be added to said compressed moving picture data to generate said outputted moving picture data which is ~~the data~~ used by another apparatus to change the bit rate of said compressed moving picture data, ~~when the bit rate is changed; and~~

~~means~~ wherein said rate correction data producing means includes a quarry-out area ~~for~~ deciding means ~~a quarry out a part area~~ which decides an area which is able to partially quarry out in a frame of moving picture data, and

said rate correction data producing means creates said rate correction data for region in the quarry out area thus decided ~~by quarrying out a part of a frame~~

~~to able to decoding, whereby moving picture data having the rate correction data other than normal moving picture stream is produced~~.

10. (currently amended) The ~~A moving picture data producing~~ apparatus according to Claim 9, wherein the rate correction data producing means produces the rate correction data which enables rate changing by said another apparatus for at least one or more areas within said quarry out area.~~the rate change is possible, to at least one of areas in respective quarry out areas in each frame.~~

11. (currently amended) The ~~A moving picture data producing~~ apparatus according to Claim 9, further comprising motion compensation means for conducting a motion compensation operation in that only corresponding portion in the quarry-out area is referred when the motion compensation for quarry out area~~, in which it is inhibited to refer an area having the rate correction data in the preceding frame and to a different quarry out area to conduct motion estimation~~.

12. (currently amended) A moving picture coding apparatus ~~for producing and outputting moving picture data whose bit rate is different from input moving picture data which is previously compression coded, said apparatus~~ comprising:

bit rate correction means ~~by which the~~ for selecting ~~bit~~ rate correction data for each frame from moving picture data input to apparatus so as to fit with a bit rate to be output, and replace the selected ~~is changed by referring to~~ rate correction data ~~contained~~ with compressed ~~in said input~~ moving picture data~~, whereby~~ so that another moving picture data having different bit rate is synthesized, wherein the bit rate is changed ~~while the input~~

~~moving picture data is not decoded~~ based on said rate correction data without decoding all of said inputted moving picture data.

13. (currently amended) The ~~A moving picture coding~~ apparatus according to Claim 12, wherein said bit rate correction means uses the rate correction data to change the bit rate of said encoded moving picture data according to a different desired bit rate to output a modified moving picture data at the desired bit rate. ~~whose bit amount is different, included in the inputted moving picture data, and by replacing the previously coded moving picture data, corresponding to the objective bit rate, the bit rate change is conducted~~.

14. (currently amended) The ~~A moving picture coding~~ apparatus according to Claim 12, wherein said rate correction data includes bit deletion data identifying bits in said encoded picture data which can be deleted, and further wherein said bit rate correction means ~~selects~~ uses said bit deletion data to delete some number of said bits to output modified moving picture data at a different desired bit rate. ~~an area in which the bit can be deleted, shown in the rate correction data included in the input moving picture data corresponding to the objective bit rate, and by deleting the bit, the bit rate change is conducted~~.

15. (new) A moving picture encoding apparatus comprising:
means for inputting uncompressed moving picture data;
means for generating compressed moving picture data including encoded video packets generated from said uncompressed moving picture data;
means for producing rate correction data including information about said encoded video packets, wherein said rate correction data can be used for

changing a bit rate of said compressed moving picture data without decoding said encoded video packets; and

means for adding said rate correction data to said compressed moving picture data for outputting outputted moving picture data.

16. (new) The apparatus of claim 15, wherein said information in said rate correction data includes information identifying less important bits of said encoded video packets, and wherein said changing the bit rate of said compressed moving picture data is done by stripping some number of said less important bits from some number of said encoded video packets without decoding said some number of said encoded video packets.

17. (new) The apparatus of claim 15, wherein said means of producing said rate correction data includes means for deciding a deletion area of a frame in said moving picture data for generating deletion area data for including in said information in said rate correction data.

18. (new) A moving picture transforming apparatus for changing the bit rate of said outputted moving picture data produced by the encoding apparatus according to claim 17, said transforming apparatus comprising:

means for inputting said outputted moving picture apparatus;

means for retrieving said rate correction data from said outputted moving picture data; and

means for changing the bit rate of said outputted moving picture data by utilizing said rate correction data to delete said deletion area without decoding all of

said encoded video packets of said outputted moving picture data.

19. (new) A moving picture transforming apparatus for changing the bit rate of said outputted moving picture data produced by the encoding apparatus according to claim 16, said transforming apparatus comprising:

means for inputting said outputted moving picture apparatus;

means for retrieving said rate correction data from said outputted moving picture data; and

means for changing the bit rate of said outputted moving picture data by utilizing said rate correction data for stripping said some number of said less important bits without decoding all of said encoded video packets of said outputted moving picture data.

20. (new) A moving picture transforming apparatus for changing the bit rate of said outputted moving picture data produced by the encoding apparatus according to claim 15, said transforming apparatus comprising:

means for inputting said outputted moving picture apparatus;

means for retrieving said rate correction data from said outputted moving picture data; and

means for changing the bit rate of said outputted moving picture data by utilizing said rate correction data, wherein the bit rate is changed without decoding all of said encoded video packets of said outputted moving picture data.